

Lincoln County, West Virginia  
Table H.--Engineering Index Properties

Print date: 06/19/2002

(Absence of an entry indicates that the data were not estimated.)

[illegible]

Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

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Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
6: Yeager-----	0-6	Sandy loam, fine sandy loam, loam, loamy fine sand	SM, SC-SM	A-2-4, A-4	---	0	95-100	95-100	60-90	20-45	0-25	NP-5
	6-10	Loamy fine sand, fine sandy loam, sandy loam, loam	SC-SM, SM	A-2-4, A-4	---	0	95-100	75-100	55-80	5-35	0-20	NP-4
	10-19	Stratified loamy sand, stratified loamy fine sand, stratified sandy loam, stratified fine sandy loam, stratified sand	SP-SM, SM	A-2-4, A-3	---	0	95-100	75-100	55-80	5-35	0-20	NP-4
	19-53	Stratified loamy sand, stratified loamy fine sand, stratified sandy loam, stratified fine sandy loam, stratified sand	SM, SP-SM	A-2-4, A-3	---	0	95-100	75-100	55-80	5-35	0-20	NP-4
	53-65	Stratified loamy sand, stratified loamy fine sand, stratified sandy loam, stratified fine sandy loam, stratified sand	SM, SP-SM	A-2-4, A-3	---	0	85-100	40-100	40-80	20-75	0-20	NP-4

Table H.--Engineering Index Properties--Continued

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Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Chagrin-----	---	---	---	---	---	---	---	---	---	---	---	---
9C: Allegheny-----	0-8	Loam, fine sandy loam, silt loam	ML, CL	A-4, A-6	---	0	90-100	80-100	65-100	55-95	15-35	NP-10
	8-15	Loam, fine sandy loam, silt loam	CL, ML, SC, SM	A-4, A-6	---	0	90-100	80-100	65-95	55-95	15-35	NP-10
	15-40	Loam, clay loam, sandy clay loam	CL, ML, SC, SM	A-4, A-6	---	0	90-100	80-100	65-95	60-95	15-35	NP-10
	40-50	Sandy loam, fine sandy loam, loam, sandy clay loam, clay loam	CL, ML, SM, SC	A-2, A-4, A-6	---	0	65-100	55-100	35-95	20-75	15-35	NP-15
	50-65	Sandy loam, fine sandy loam, loam, sandy clay loam, clay loam	SM, ML, SC, CL	A-2, A-4, A-6	---	0	65-100	55-100	35-95	20-75	15-35	NP-15
Chavies-----	0-12	Fine sandy loam	CL-ML, SM, ML, SC-SM	A-4	0	0	85-100	75-100	40-90	40-75	15-25	NP-5
	12-43	Fine sandy loam, loam	ML, SM	A-4	0	0	85-100	75-100	65-100	45-85	15-35	NP-8
	43-70	Fine sandy loam, gravelly fine sandy loam, loam	SM, SC-SM, CL-ML, ML	A-1-b, A-2, A-4	---	0-5	70-100	60-95	40-85	20-75	15-25	NP-5
12: Chagrin-----	0-7	Loam, silt loam	CL, ML, CL-ML	A-4, A-6	---	0	95-100	85-100	80-100	70-90	20-35	NP-10
	7-12	Loam, silt loam	CL, ML, CL-ML	A-4, A-6	---	0	95-100	85-100	80-95	70-90	20-35	NP-10
	12-39	Loam, silt loam, silty clay loam	CL-ML, ML, CL	A-4, A-6	---	0	95-100	85-100	80-95	70-90	20-35	NP-10
	39-56	Silt loam, loam, silty clay loam	CL-ML, ML, CL	A-4, A-6	---	0	95-100	85-100	80-95	70-90	20-35	NP-15
	56-65	Silt loam, fine sandy loam, loam	SM, CL, ML	A-2, A-4, A-6	---	0	95-100	85-100	80-95	70-90	20-35	NP-15

Table H.--Engineering Index Properties--Continued

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Table H.--Engineering Index Properties--Continued

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Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
21B:												
Kanawha-----	0-6	Loam, fine sandy loam, silt loam	ML, CL-ML, CL	A-4	---	0	80-100	75-100	65-100	50-90	20-35	2-10
	6-10	Silt loam, loam	CL, ML, CL-ML	A-4	---	0	80-100	75-100	65-100	50-90	20-35	3-15
	10-58	Silt loam, loam, clay loam	ML, CL, SM, SC	A-4, A-6	---	0	80-100	75-100	65-100	50-90	20-40	3-15
	58-66	Silt loam, loam, clay loam	ML, CL, SC, SM	A-4, A-6	---	0	80-100	75-100	65-100	50-90	20-35	3-15
	66-72	Loam, fine sandy loam	SC, SM, CL, ML	A-2, A-4, A-6	---	0	80-100	75-100	65-95	50-85	20-35	2-10
Gallipolis-----	---	---	---	---	---	---	---	---	---	---	---	---
Elk-----	---	---	---	---	---	---	---	---	---	---	---	---
Monongahela-----	---	---	---	---	---	---	---	---	---	---	---	---
Nelse-----	---	---	---	---	---	---	---	---	---	---	---	---
Cotaco-----	---	---	---	---	---	---	---	---	---	---	---	---
24B:												
Allegheny-----	0-8	Loam, fine sandy loam, silt loam	CL, ML	A-4, A-6	---	0	90-100	80-100	65-100	55-95	15-35	NP-10
	8-15	Loam, fine sandy loam, silt loam	SM, SC, ML, CL	A-4, A-6	---	0	90-100	80-100	65-95	55-95	15-35	NP-10
	15-40	Loam, clay loam, sandy clay loam	CL, SM, SC, ML	A-4, A-6	---	0	90-100	80-100	65-95	60-95	15-35	NP-10
	40-50	Sandy loam, fine sandy loam, loam, sandy clay loam, clay loam	ML, SC, SM, CL	A-2, A-4, A-6	---	0	65-100	55-100	35-95	20-75	15-35	NP-15
	50-65	Sandy loam, fine sandy loam, loam, sandy clay loam, clay loam	SC, ML, SM, CL	A-2, A-4, A-6	---	0	65-100	55-100	35-95	20-75	15-35	NP-15

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Chavies-----	0-12	Fine sandy loam	SC-SM, CL-ML, ML, SM	A-4	0	0	85-100	75-100	40-90	40-75	15-25	NP-5
	12-43	Fine sandy loam, loam	ML, SM	A-4	0	0	85-100	75-100	65-100	45-85	15-35	NP-8
	43-70	Fine sandy loam, gravelly fine sandy loam, loam	SM, CL-ML, ML, SC-SM	A-1-b, A-2, A-4	---	0-5	70-100	60-95	40-85	20-75	15-25	NP-5
24C: Allegheny-----	0-8	Loam, fine sandy loam, silt loam	ML, CL	A-4, A-6	---	0	90-100	80-100	65-100	55-95	15-35	NP-10
	8-15	Loam, fine sandy loam, silt loam	CL, ML, SC, SM	A-4, A-6	---	0	90-100	80-100	65-95	55-95	15-35	NP-10
	15-40	Loam, clay loam, sandy clay loam	CL, ML, SC, SM	A-4, A-6	---	0	90-100	80-100	65-95	60-95	15-35	NP-10
	40-50	Sandy loam, fine sandy loam, loam, sandy clay loam, clay loam	CL, ML, SM, SC	A-2, A-4, A-6	---	0	65-100	55-100	35-95	20-75	15-35	NP-15
	50-65	Sandy loam, fine sandy loam, loam, sandy clay loam, clay loam	SM, ML, SC, CL	A-2, A-4, A-6	---	0	65-100	55-100	35-95	20-75	15-35	NP-15
Chavies-----	0-12	Fine sandy loam	CL-ML, SM, ML, SC-SM	A-4	0	0	85-100	75-100	40-90	40-75	15-25	NP-5
	12-43	Fine sandy loam, loam	ML, SM	A-4	0	0	85-100	75-100	65-100	45-85	15-35	NP-8
	43-70	Fine sandy loam, gravelly fine sandy loam, loam	SM, SC-SM, CL-ML, ML	A-1-b, A-2, A-4	---	0-5	70-100	60-95	40-85	20-75	15-25	NP-5



Table H.--Engineering Index Properties--Continued

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Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
29F: Sharpcrest-----	In				Pct	Pct					Pct	
	0-1				---	---	---	---	---	---	---	---
	1-2				---	---	---	---	---	---	---	---
	2-4	Sandy loam, fine sandy loam, loam	SC-SM, GM, SC, SM	A-1-b, A-2, A-4	---	0-5	60-95	55-90	45-80	20-50	15-25	2-10
	4-7	Sandy loam, loam, fine sandy loam	GM, SC-SM, SC, SM	A-2-4, A-1-b, A-4	---	0-5	60-95	55-90	45-80	20-50	15-25	2-10
	7-13	Sandy loam, loam, fine sandy loam, loamy sand	SC-SM, GM, SC, SM	A-1-b, A-2-4, A-4	---	0-10	60-95	55-90	45-80	20-50	15-25	2-10
	13-32	Sandy loam, fine sandy loam, loam, loamy sand	GM, SM, SC, SC-SM	A-1-b, A-2-4, A-4	---	0-10	50-95	50-90	40-80	20-50	15-25	2-10
	32-39	Channery sandy loam, channery fine sandy loam, channery loam, channery loamy sand	SC-SM, SC, GM, SM	A-2-4, A-4	---	5-15	35-80	50-90	40-80	25-40	15-25	2-10
	39-48	Channery loamy sand, channery sandy loam, channery loam, channery fine sandy loam	SM, SC-SM, GM, SC	A-4, A-2	---	5-15	35-80	35-75	25-65	25-40	15-30	1-6
	48-52				---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

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Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index	
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200			
	In				Pct	Pct					Pct		
31C: Gilpin-----	0-2				---	---	---	---	---	---	---	---	
	2-3				---	---	---	---	---	---	---	---	
	3-6	Silt loam	CL, CL-ML	A-4, A-6	---	0	80-95	75-90	70-85	65-80	20-40	5-15	
	6-9	Channery silt loam, channery loam	CL, CL-ML, GC, SC	A-4, A-6, A-2	---	0-5	50-90	45-85	35-75	30-70	20-40	5-15	
	9-16	Channery silt loam, channery loam, channery clay loam, channery silty clay loam	GC, CL, SC, CL-ML	A-4, A-6, A-2	---	0-5	50-90	45-85	35-75	30-70	20-40	5-15	
	16-22	Channery silty clay loam, channery clay loam, channery silt loam, channery loam	CL-ML, GC, SC, CL	A-6, A-4, A-2	---	0-5	50-95	45-90	35-75	30-65	20-40	5-15	
	22-28	Channery silty clay loam, channery loam, channery clay loam, channery silt loam	SC, GC, CL- ML, CL	A-2, A-4, A-6	---	0-10	50-95	45-90	35-75	30-65	20-40	5-15	
	28-33		SM, CL, SC, ML	A-2, A-4, A-6	---	---	---	---	---	---	---	---	
	Upshur-----	0-1				---	---	---	---	---	---	---	---
		1-4	Silt loam	CL, CL-ML, ML	A-4, A-6	---	0	95-100	95-100	85-100	65-90	25-40	5-15
4-8		Silt loam	CL-ML, ML, CL	A-4, A-6	---	0	95-100	95-100	85-100	65-90	25-40	5-15	
8-24		Silty clay, clay	MH, ML, CL	A-7	---	0	95-100	95-100	85-100	80-100	45-70	20-40	
24-32		Silty clay, clay	CL, MH, CH	A-7	---	0	95-100	95-100	85-100	80-100	45-70	20-40	
32-41		Channery silty clay, channery clay	CH, MH, CL	A-7	---	---	95-100	65-100	60-100	60-90	45-70	20-40	
41-47		Channery silt loam, channery silty clay loam, channery silty clay, channery clay, channery clay loam	CL, MH, CH	A-7	---	0	80-100	65-100	60-100	60-90	45-70	20-40	
47-51					---	---	---	---	---	---	---	---	

Table H.--Engineering Index Properties--Continued

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Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index	
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200			
	In				Pct	Pct					Pct		
31E: Gilpin-----	0-2				---	---	---	---	---	---	---	---	
	2-3				---	---	---	---	---	---	---	---	
	3-6	Silt loam	CL, CL-ML	A-4, A-6	---	0	80-95	75-90	70-85	65-80	20-40	5-15	
	6-9	Channery silt loam, channery loam	CL, SC, CL- ML, GC	A-4, A-6, A-2	---	0-5	50-90	45-85	35-75	30-70	20-40	5-15	
	9-16	Channery silt loam, channery loam, channery clay loam, channery silty clay loam	CL-ML, SC, GC, CL	A-4, A-6, A-2	---	0-5	50-90	45-85	35-75	30-70	20-40	5-15	
	16-22	Channery silty clay loam, channery clay loam, channery silt loam, channery loam	CL, CL-ML, SC, GC	A-6, A-4, A-2	---	0-5	50-95	45-90	35-75	30-65	20-40	5-15	
	22-28	Channery silty clay loam, channery loam, channery clay loam, channery silt loam	CL, GC, SC, CL-ML	A-2, A-4, A-6	---	0-10	50-95	45-90	35-75	30-65	20-40	5-15	
	28-33		SM, CL, SC, ML	A-2, A-4, A-6	---	---	---	---	---	---	---	---	
	Upshur-----	0-1				---	---	---	---	---	---	---	---
		1-4	Silt loam	ML, CL-ML, CL	A-4, A-6	---	0	95-100	95-100	85-100	65-90	25-40	5-15
4-8		Silt loam	CL-ML, CL, ML	A-4, A-6	---	0	95-100	95-100	85-100	65-90	25-40	5-15	
8-24		Silty clay, clay	CL, MH, ML	A-7	---	0	95-100	95-100	85-100	80-100	45-70	20-40	
24-32		Silty clay, clay	CH, CL, MH	A-7	---	0	95-100	95-100	85-100	80-100	45-70	20-40	
32-41		Channery silty clay, channery clay	CH, CL, MH	A-7	---	---	95-100	65-100	60-100	60-90	45-70	20-40	
41-47		Channery silt loam, channery silty clay loam, channery silty clay, channery clay, channery clay loam	CH, CL, MH	A-7	---	0	80-100	65-100	60-100	60-90	45-70	20-40	
47-51					---	---	---	---	---	---	---	---	

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Other Soils-----	---	---	---	---	---	---	---	---	---	---	---	---
31F: Gilpin-----	0-2				---	---	---	---	---	---	---	---
	2-3				---	---	---	---	---	---	---	---
	3-6	Silt loam	CL, CL-ML	A-4, A-6	---	0	80-95	75-90	70-85	65-80	20-40	5-15
	6-9	Channery silt loam, channery loam	CL-ML, CL, SC, GC	A-4, A-6, A-2	---	0-5	50-90	45-85	35-75	30-70	20-40	5-15
	9-16	Channery silt loam, channery loam, channery clay loam, channery silty clay loam	GC, SC, CL, CL-ML	A-4, A-6, A-2	---	0-5	50-90	45-85	35-75	30-70	20-40	5-15
	16-22	Channery silty clay loam, channery clay loam, channery silt loam, channery loam	CL-ML, CL, GC, SC	A-6, A-4, A-2	---	0-5	50-95	45-90	35-75	30-65	20-40	5-15
	22-28	Channery silty clay loam, channery loam, channery clay loam, channery silt loam	SC, GC, CL, CL-ML	A-2, A-4, A-6	---	0-10	50-95	45-90	35-75	30-65	20-40	5-15
	28-33		SM, CL, SC, ML	A-2, A-4, A-6	---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

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Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

[illegible]



Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index	
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200			
	In				Pct	Pct					Pct		
Gilpin-----	0-2				---	---	---	---	---	---	---	---	
	2-3				---	---	---	---	---	---	---	---	
	3-6	Silt loam, loam	CL, CL-ML, ML	A-4, A-6	---	---	80-95	75-90	70-85	65-80	20-40	4-15	
	6-9	Channery silt loam, channery loam, silty clay loam	CL, CL-ML, GC	A-4, A-6	---	---	50-95	45-90	35-85	30-80	20-40	4-15	
	9-16	Channery silt loam, channery loam, very shaly silty clay loam	CL, CL-ML, GC	A-4, A-6	---	---	50-95	45-90	35-85	30-80	20-40	4-15	
	16-22	Channery silty clay loam, channery silt loam, very channery silty clay loam	CL, GC	A-6, A-7-6	---	---	50-95	45-90	35-85	30-80	20-40	4-15	
	22-28	Channery silty clay loam, very channery silty clay loam, channery silt loam	CL, GC	A-6, A-7-6	---	---	50-80	30-60	30-80	25-65	20-40	4-15	
	28-33				---	---	---	---	---	---	---	---	
	Hazleton-----	0-7	Channery sandy loam	GM, ML, SM	A-2, A-4	---	0-15	60-85	60-80	60-75	35-55	---	---
		7-36	Channery sandy loam, loam, very channery loam	ML, SM, SC, GM	A-1, A-2, A-4	---	0-50	60-95	45-90	35-70	20-55	15-30	NP-8
36-70		Channery loam, very channery sandy loam, very channery loamy sand	GC, GM, SC, SM	A-1, A-2, A-4	---	0-60	55-80	35-75	25-65	15-50	15-30	NP-8	
70-74		Unweathered bedrock			---	---	---	---	---	---	---	---	

Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
37E: Matewan-----	0-1				---	---	---	---	---	---	---	---
	1-3	Sandy loam, loam, fine sandy loam	CL, CL-ML	A-4	---	0-5	80-90	75-85	70-80	55-70	10-30	NP-10
	3-6	Channery sandy loam, channery loam, channery fine sandy loam	CL-ML, ML, GM, SM	A-1, A-2, A-4	---	0-10	50-90	40-80	40-75	20-55	10-30	NP-10
	6-15	Channery sandy loam, channery fine sandy loam, channery loam	CL-ML, ML, GM, SM	A-1, A-2, A-4	---	5-15	50-90	40-80	40-75	20-55	10-30	NP-10
	15-23	Channery sandy loam, channery fine sandy loam, channery loam	SM, CL-ML, ML, GM	A-1, A-2, A-4	---	15-30	50-90	40-80	40-75	20-55	15-30	NP-10
	23-31	Extremely channery sandy loam, extremely channery loamy sand, extremely channery loam	GM, SM, ML, GC-GM	A-1, A-2, A-4	---	30-60	50-90	40-80	20-65	20-55	15-30	NP-10
	31-36				---	---	---	---	---	---	---	---
	Latham-----	0-4	Silt loam, silty clay loam	CL-ML, ML, CL	A-4, A-6	---	0-2	85-100	75-100	70-100	65-90	20-35
4-8		Silt loam, silty clay loam	CL-ML, ML, CL	A-4, A-6	---	0-2	85-100	75-100	70-100	65-90	20-35	5-12
8-28		Silty clay loam, silty clay	CH, ML, CL	A-6, A-7	---	0-2	85-100	75-100	70-100	65-90	30-65	10-40
28-33		Silty clay, silty clay loam	CL, CH	A-7	---	0-4	85-100	70-95	65-95	60-90	30-65	25-40
33-36		Silty clay, silty clay loam	CH, CL	A-7	---	0-5	85-100	70-95	65-95	60-90	30-65	25-40
36-44					---	---	---	---	---	---	---	---



Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Gilpin-----	---	---	---	---	---	---	---	---	---	---	---	---
Upshur-----	---	---	---	---	---	---	---	---	---	---	---	---
Wharton-----	---	---	---	---	---	---	---	---	---	---	---	---
Rayne-----	---	---	---	---	---	---	---	---	---	---	---	---
Other Soils----	---	---	---	---	---	---	---	---	---	---	---	---
38F:												
Highsplint-----	0-2				---	---	---	---	---	---	---	---
	2-5	Loam, silt loam	CL-ML, CL	A-4, A-6	---	5-15	45-80	40-70	40-70	35-65	15-35	5-15
	5-11	Channery loam, channery silt loam	CL-ML, CL, GC, SC	A-4, A-6, A-2	---	5-25	45-80	40-70	40-70	35-65	15-35	5-15
	11-33	Very channery loam, very channery silt loam	GC-GM, ML, CL-ML, SC	A-4, A-6, A-2	---	5-25	45-75	40-70	35-65	30-60	15-35	5-15
	33-50	Very channery loam, very channery silt loam	ML, GC-GM, SC, CL-ML	A-2, A-4, A-6	---	5-35	45-75	40-70	35-65	30-60	15-35	NP-12
	50-65	Extremely channery fine sandy loam, extremely channery loam	CL-ML, SC-SM, GC-GM	A-2, A-4, A-6	---	5-35	45-75	40-70	35-55	30-55	15-30	NP-10

Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Other Soils-----	0-7	Silt loam, loam	CL-ML, ML	A-4	0-2	0-5	80-95	75-95	60-95	55-90	15-35	NP-10
	7-20	Silty clay loam, silt loam, loam	CL, CL-ML, GC, SC	A-4, A-6	0-5	0-10	55-95	50-95	45-95	40-90	25-40	4-15
	20-35	Silty clay loam, silt loam, loam	SC, CL-ML, GC, CL	A-6, A-4	0-5	0-10	55-95	50-95	45-95	40-90	25-40	4-15
	35-45	Channery silty clay loam, channery silt loam, channery loam	CL, SC, GC, CL-ML	A-6, A-4	0-5	0-10	40-85	35-70	25-70	20-65	20-40	4-18
	45-65	Channery silt loam, channery silty clay loam, very channery loam	CL, GC, GM, ML	A-4, A-6, A- 1-b, A-2	0-10	0-15	40-85	35-70	25-70	20-65	20-40	3-20
40D: Dormont-----	0-7	Silt loam	ML, CL	A-4, A-6	---	0	75-100	70-100	65-95	50-90	20-40	5-15
	7-11	Silt loam, silty clay loam	CL, ML	A-4, A-6	---	0	75-100	70-100	65-95	50-90	20-40	5-15
	11-23	Silty clay loam, silt loam	ML, CL, SC	A-4, A-6	---	0-20	75-100	70-95	60-95	45-85	25-40	5-15
	23-30	Channery silty clay loam, channery silt loam	SC, ML, CL	A-4, A-6	---	0-20	75-100	70-95	60-95	45-85	25-40	5-15
	30-40	Channery silty clay loam, channery silt loam	ML, CL, SC	A-6, A-4	---	0-20	75-100	70-95	60-95	45-85	25-40	5-15
	40-54	Very channery silty clay loam, very channery silt loam, very channery silty clay, very channery clay	SC, CL, ML, GC	A-4, A-6, A-7	---	0-30	65-100	60-95	55-95	40-85	25-50	10-25
	54-59				---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Latham-----	0-4	Silt loam, silty clay loam	CL-ML, ML, CL	A-4, A-6	---	0-2	85-100	75-100	70-100	65-90	20-35	5-12
	4-8	Silt loam, silty clay loam	CL, ML, CL-ML	A-4, A-6	---	0-2	85-100	75-100	70-100	65-90	20-35	5-12
	8-28	Silty clay loam, silty clay	CH, ML, CL	A-6, A-7	---	0-2	85-100	75-100	70-100	65-90	30-65	10-40
	28-33	Silty clay, silty clay loam	CL, CH	A-7	---	0-4	85-100	70-95	65-95	60-90	30-65	25-40
	33-36	Silty clay, silty clay loam	CL, CH	A-7	---	0-5	85-100	70-95	65-95	60-90	30-65	25-40
	36-44				---	---	---	---	---	---	---	---
	Other Soils-----	---	---	---	---	---	---	---	---	---	---	---
40E: Dormont-----	0-7	Silt loam	ML, CL	A-4, A-6	---	0	75-100	70-100	65-95	50-90	20-40	5-15
	7-11	Silt loam, silty clay loam	ML, CL	A-4, A-6	---	0	75-100	70-100	65-95	50-90	20-40	5-15
	11-23	Silty clay loam, silt loam	SC, CL, ML	A-4, A-6	---	0-20	75-100	70-95	60-95	45-85	25-40	5-15
	23-30	Channery silty clay loam, channery silt loam	CL, ML, SC	A-4, A-6	---	0-20	75-100	70-95	60-95	45-85	25-40	5-15
	30-40	Channery silty clay loam, channery silt loam	SC, CL, ML	A-6, A-4	---	0-20	75-100	70-95	60-95	45-85	25-40	5-15
	40-54	Very channery silty clay loam, very channery silt loam, very channery silty clay, very channery clay	GC, CL, SC, ML	A-4, A-6, A-7	---	0-30	65-100	60-95	55-95	40-85	25-50	10-25
	54-59				---	---	---	---	---	---	---	---

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Latham-----	0-4	Silt loam, silty clay loam	ML, CL, CL-ML	A-4, A-6	---	0-2	85-100	75-100	70-100	65-90	20-35	5-12
	4-8	Silt loam, silty clay loam	CL, CL-ML, ML	A-4, A-6	---	0-2	85-100	75-100	70-100	65-90	20-35	5-12
	8-28	Silty clay loam, silty clay	CH, ML, CL	A-6, A-7	---	0-2	85-100	75-100	70-100	65-90	30-65	10-40
	28-33	Silty clay, silty clay loam	CH, CL	A-7	---	0-4	85-100	70-95	65-95	60-90	30-65	25-40
	33-36	Silty clay, silty clay loam	CL, CH	A-7	---	0-5	85-100	70-95	65-95	60-90	30-65	25-40
	36-44				---	---	---	---	---	---	---	---
Other Soils----	---	---	---	---	---	---	---	---	---	---	---	---
42D: Beech-----	0-1				---	---	---	---	---	---	---	---
	1-7	Loam, silt loam	CL-ML, ML, CL	A-4, A-6	---	0-15	75-100	70-100	65-95	50-90	20-35	5-10
	7-10	Channery loam, channery silt loam	CL-ML, ML, CL	A-4, A-6	---	5-15	75-100	70-100	65-95	50-90	20-35	5-10
	10-22	Channery loam, channery clay loam	SC, ML, CL	A-4, A-6, A-2	---	10-25	75-100	70-95	60-95	45-85	20-35	5-10
	22-36	Channery clay loam, channery loam	ML, SC, CL	A-6, A-4, A-2	---	10-25	75-100	70-95	60-95	45-85	25-40	5-15
	36-45	Very channery loam, very channery clay loam	ML, SC, CL	A-6, A-4, A-2	---	10-35	75-100	70-95	60-95	45-85	20-35	4-12
	45-52	Very channery loam, very channery clay loam	CL, ML, SC	A-2, A-4, A-6	---	15-45	65-100	60-95	55-95	40-85	20-35	4-12
	52-65	Extremely channery loam, extremely channery clay loam, extremely channery silt loam	CL, ML, SC	A-2, A-4, A-6	---	20-60	65-100	60-95	55-95	40-85	20-35	4-12



Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Shelocta-----	0-1				---	---	---	---	---	---	---	---
	1-7	Loam, silt loam	CL, CL-ML, ML	A-4, A-6	0	10-20	80-95	60-90	55-85	45-80	20-35	4-10
	7-10	Channery loam, channery clay loam, very channery loam	CL, CL-ML, GC, GM, ML	A-4, A-6	0	20-30	55-95	50-85	35-80	30-65	20-30	4-10
	10-22	Channery loam, very channery silt loam, channery clay loam	CL, ML, CL- ML, GC, GM	A-4, A-6	0	20-40	55-95	50-85	30-75	25-65	20-30	4-10
	22-36	Channery clay loam, channery loam	GM, GC, ML, CL	A-6, A-7-6	0	20-40	55-95	50-85	30-75	25-65	30-40	7-20
	36-45	Very channery loam, channery loam	GC, GM, ML, CL	A-4, A-6	0	40-60	40-85	50-85	30-75	25-65	20-30	4-10
	45-52	Very channery loam, channery loam	ML, GM, GC	A-4, A-6	0	45-65	40-85	35-85	30-75	25-65	20-30	4-10
	52-65	Very channery loam, channery loam	ML, GM, GC	A-4, A-6	0	50-80	40-85	35-80	30-75	25-65	20-30	4-10

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index	
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200			
	In				Pct	Pct					Pct		
Vandalia-----	0-1				---	---	---	---	---	---	---	---	
	1-7	Loam, silt loam	CL, CL-ML, ML	A-4, A-6	0	10-20	80-95	60-90	55-85	45-80	20-35	4-10	
	7-10	Channery loam, channery clay loam, very channery loam	CL, CL-ML, GC, GM, ML	A-4, A-6	0	20-30	55-95	50-85	35-80	30-65	20-30	4-10	
	10-22	Channery loam, very channery silt loam, channery clay loam	CL, ML, CL- ML, GC, GM	A-4, A-6	0	20-40	55-95	50-85	30-75	25-65	20-30	4-10	
	22-36	Channery clay loam, channery loam	GM, GC, ML, CL	A-6, A-7-6	0	20-40	55-95	50-85	30-75	25-65	30-40	7-20	
	36-45	Very channery loam, channery loam	GC, GM, ML, CL	A-4, A-6	0	40-60	40-85	50-85	30-75	25-65	20-30	4-10	
	45-52	Very channery loam, channery loam	ML, GM, GC	A-4, A-6	0	45-65	40-85	35-85	30-75	25-65	20-30	4-10	
	52-65	Very channery loam, channery loam	ML, GM, GC	A-4, A-6	0	50-80	40-85	35-80	30-75	25-65	20-30	4-10	
	Other Soils-----	0-1				---	---	---	---	---	---	---	---
		1-7	Loam, silt loam	CL, CL-ML, ML	A-4, A-6	0	10-20	80-95	60-90	55-85	45-80	20-35	4-10
7-10		Channery loam, channery clay loam, very channery loam	CL, CL-ML, GC, GM, ML	A-4, A-6	0	20-30	55-95	50-85	35-80	30-65	20-30	4-10	
10-22		Channery loam, very channery silt loam, channery clay loam	CL, ML, CL- ML, GC, GM	A-4, A-6	0	20-40	55-95	50-85	30-75	25-65	20-30	4-10	
22-36		Channery clay loam, channery loam	GM, GC, ML, CL	A-6, A-7-6	0	20-40	55-95	50-85	30-75	25-65	30-40	7-20	
36-45		Very channery loam, channery loam	GC, GM, ML, CL	A-4, A-6	0	40-60	40-85	50-85	30-75	25-65	20-30	4-10	
45-52		Very channery loam, channery loam	ML, GM, GC	A-4, A-6	0	45-65	40-85	35-85	30-75	25-65	20-30	4-10	
52-65		Very channery loam, channery loam	ML, GM, GC	A-4, A-6	0	50-80	40-85	35-80	30-75	25-65	20-30	4-10	

Table H.--Engineering Index Properties--Continued

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Table H.--Engineering Index Properties--Continued

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Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
44C: Shelocta-----	In				Pct	Pct					Pct	
	0-0				---	---	---	---	---	---	---	---
	0-4	Very stony loam	GM, ML, SM, CL-ML	A-4	---	3-15	80-95	75-95	60-95	55-90	15-35	NP-10
	4-11	Silty clay loam, silt loam, channery silty clay loam	GC, SC, CL- ML, CL	A-4, A-6	---	0-10	55-95	50-95	45-95	40-90	25-40	4-15
	11-24	Silty clay loam, silt loam, channery silty clay loam	SC, GC, CL- ML, CL	A-4, A-6	---	0-10	55-95	50-95	45-95	40-90	25-40	4-15
	24-39	Silty clay loam, silt loam, channery silty clay loam	SC, GC, CL- ML, CL	A-6, A-4	---	0-10	55-95	50-95	45-95	40-90	25-40	4-15
	39-55	Silty clay loam, silt loam, channery silty clay loam	CL, SC, GC, CL-ML	A-4, A-6	---	0-10	55-95	50-95	45-95	40-90	25-40	4-15
	55-65	Silty clay loam, silt loam, channery silty clay loam	CL-ML, GC, CL, SC	A-4, A-6	---	0-10	55-95	50-95	45-95	40-90	25-40	4-15

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Beech-----	0-1				---	---	---	---	---	---	---	---
	1-7	Loam, silt loam	CL, CL-ML, ML	A-4, A-6	---	0-15	75-100	70-100	65-95	50-90	20-35	5-10
	7-10	Channery loam, channery silt loam	CL-ML, ML, CL	A-4, A-6	---	5-15	75-100	70-100	65-95	50-90	20-35	5-10
	10-22	Channery loam, channery clay loam	CL, ML, SC	A-4, A-6, A-2	---	10-25	75-100	70-95	60-95	45-85	20-35	5-10
	22-36	Channery clay loam, channery loam	ML, CL, SC	A-6, A-4, A-2	---	10-25	75-100	70-95	60-95	45-85	25-40	5-15
	36-45	Very channery loam, very channery clay loam	ML, CL, SC	A-6, A-4, A-2	---	10-35	75-100	70-95	60-95	45-85	20-35	4-12
	45-52	Very channery loam, very channery clay loam	CL, ML, SC	A-2, A-4, A-6	---	15-45	65-100	60-95	55-95	40-85	20-35	4-12
	52-65	Extremely channery loam, extremely channery clay loam, extremely channery silt loam	ML, SC, CL	A-2, A-4, A-6	---	20-60	65-100	60-95	55-95	40-85	20-35	4-12

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
44D: Shelocta-----	In				Pct	Pct					Pct	
	0-0				---	---	---	---	---	---	---	---
	0-4	Very stony loam	ML, GM, CL- ML, SM	A-4	---	3-15	80-95	75-95	60-95	55-90	15-35	NP-10
	4-11	Silty clay loam, silt loam, channery silty clay loam	SC, GC, CL- ML, CL	A-4, A-6	---	0-10	55-95	50-95	45-95	40-90	25-40	4-15
	11-24	Silty clay loam, silt loam, channery silty clay loam	CL, CL-ML, GC, SC	A-4, A-6	---	0-10	55-95	50-95	45-95	40-90	25-40	4-15
	24-39	Silty clay loam, silt loam, channery silty clay loam	CL, CL-ML, GC, SC	A-6, A-4	---	0-10	55-95	50-95	45-95	40-90	25-40	4-15
	39-55	Silty clay loam, silt loam, channery silty clay loam	GC, SC, CL, CL-ML	A-4, A-6	---	0-10	55-95	50-95	45-95	40-90	25-40	4-15
	55-65	Silty clay loam, silt loam, channery silty clay loam	CL, CL-ML, GC, SC	A-4, A-6	---	0-10	55-95	50-95	45-95	40-90	25-40	4-15

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Beech-----	0-1				---	---	---	---	---	---	---	---
	1-7	Loam, silt loam	CL, ML, CL-ML	A-4, A-6	---	0-15	75-100	70-100	65-95	50-90	20-35	5-10
	7-10	Channery loam, channery silt loam	CL, ML, CL-ML	A-4, A-6	---	5-15	75-100	70-100	65-95	50-90	20-35	5-10
	10-22	Channery loam, channery clay loam	CL, ML, SC	A-4, A-6, A-2	---	10-25	75-100	70-95	60-95	45-85	20-35	5-10
	22-36	Channery clay loam, channery loam	ML, CL, SC	A-6, A-4, A-2	---	10-25	75-100	70-95	60-95	45-85	25-40	5-15
	36-45	Very channery loam, very channery clay loam	ML, CL, SC	A-6, A-4, A-2	---	10-35	75-100	70-95	60-95	45-85	20-35	4-12
	45-52	Very channery loam, very channery clay loam	CL, SC, ML	A-2, A-4, A-6	---	15-45	65-100	60-95	55-95	40-85	20-35	4-12
	52-65	Extremely channery loam, extremely channery clay loam, extremely channery silt loam	CL, ML, SC	A-2, A-4, A-6	---	20-60	65-100	60-95	55-95	40-85	20-35	4-12



Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
44E: Shelocta-----	0-0				---	---	---	---	---	---	---	---
	0-4	Very stony loam	CL-ML, GM, ML, SM	A-4	---	3-15	80-95	75-95	60-95	55-90	15-35	NP-10
	4-11	Silty clay loam, silt loam, channery silty clay loam	SC, GC, CL- ML, CL	A-4, A-6	---	0-10	55-95	50-95	45-95	40-90	25-40	4-15
	11-24	Silty clay loam, silt loam, channery silty clay loam	GC, SC, CL- ML, CL	A-4, A-6	---	0-10	55-95	50-95	45-95	40-90	25-40	4-15
	24-39	Silty clay loam, silt loam, channery silty clay loam	CL, CL-ML, GC, SC	A-6, A-4	---	0-10	55-95	50-95	45-95	40-90	25-40	4-15
	39-55	Silty clay loam, silt loam, channery silty clay loam	CL, SC, GC, CL-ML	A-4, A-6	---	0-10	55-95	50-95	45-95	40-90	25-40	4-15
	55-65	Silty clay loam, silt loam, channery silty clay loam	SC, CL-ML, CL, GC	A-4, A-6	---	0-10	55-95	50-95	45-95	40-90	25-40	4-15

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Beech-----	0-1				---	---	---	---	---	---	---	---
	1-7	Loam, silt loam	CL-ML, ML, CL	A-4, A-6	---	0-15	75-100	70-100	65-95	50-90	20-35	5-10
	7-10	Channery loam, channery silt loam	CL, ML, CL-ML	A-4, A-6	---	5-15	75-100	70-100	65-95	50-90	20-35	5-10
	10-22	Channery loam, channery clay loam	CL, ML, SC	A-4, A-6, A-2	---	10-25	75-100	70-95	60-95	45-85	20-35	5-10
	22-36	Channery clay loam, channery loam	ML, CL, SC	A-6, A-4, A-2	---	10-25	75-100	70-95	60-95	45-85	25-40	5-15
	36-45	Very channery loam, very channery clay loam	SC, CL, ML	A-6, A-4, A-2	---	10-35	75-100	70-95	60-95	45-85	20-35	4-12
	45-52	Very channery loam, very channery clay loam	SC, ML, CL	A-2, A-4, A-6	---	15-45	65-100	60-95	55-95	40-85	20-35	4-12
	52-65	Extremely channery loam, extremely channery clay loam, extremely channery silt loam	CL, SC, ML	A-2, A-4, A-6	---	20-60	65-100	60-95	55-95	40-85	20-35	4-12

Table H.--Engineering Index Properties--Continued

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Table H.--Engineering Index Properties--Continued

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Table H.--Engineering Index Properties--Continued

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Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
47:												
Guyan-----	0-5	Silt loam, loam	CL-ML, ML	A-4	---	0	95-100	95-100	95-100	65-80	20-30	5-10
	5-10	Silt loam, loam	CL-ML, ML	A-4	---	0	95-100	95-100	95-100	65-80	20-30	5-10
	10-16	Silt loam, loam, silty clay loam	ML, CL-ML	A-4	---	0	95-100	95-100	95-100	65-80	20-30	5-10
	16-50	Silty clay loam, silt loam, loam	ML, CL	A-4, A-6	---	0	85-100	80-100	80-100	70-95	25-40	10-18
	50-65	Silty clay loam, loam, silt loam	ML, CL	A-4, A-6	---	0	85-100	80-100	80-100	70-95	25-40	10-18
Cotaco-----	---	---	---	---	---	---	---	---	---	---	---	---
Monongahela-----	---	---	---	---	---	---	---	---	---	---	---	---
Purdy-----	---	---	---	---	---	---	---	---	---	---	---	---
71B:												
Kaymine-----	0-3	Channery loam, channery silt loam	SC-SM, SM, GC-GM, GM	A-1, A-2	---	15-30	45-60	40-55	30-50	20-40	25-35	7-12
	3-23	Very channery silt loam, very channery loam	GM, GC-GM, SC, SM	A-1, A-2	---	20-60	30-55	25-55	20-45	15-40	25-35	7-12
	23-65	Extremely channery loam, extremely channery silt loam	SC-SM, GM, GC-GM, SM	A-1, A-2	---	20-60	30-55	25-55	20-45	15-40	25-35	7-12

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Fiveblock-----	0-4	Channery loam, channery sandy loam	SC-SM, SM, GM, GC-GM	A-1, A-2	---	15-30	55-70	50-65	35-50	10-25	15-25	NP-7
	4-25	Very channery sandy loam, very channery loamy sand	GC-GM, SC, GM, SC-SM	A-1, A-2	---	15-30	55-70	50-65	35-50	10-25	15-25	NP-7
	25-50	Extremely flaggy sandy loam, extremely flaggy loamy sand	GC-GM, GM, SC-SM, SM	A-1, A-2	---	30-55	45-65	25-50	15-35	10-20	15-25	NP-7
	50-65	Very flaggy sandy loam, very flaggy loamy sand	GC-GM, GM, SC-SM, SM	A-1, A-2	---	30-55	45-65	25-50	15-35	10-20	15-25	NP-7
Sewell-----	---	---	---	---	---	---	---	---	---	---	---	---
Cedarcreek-----	---	---	---	---	---	---	---	---	---	---	---	---
Fairpoint-----	---	---	---	---	---	---	---	---	---	---	---	---
Other Soils-----	---	---	---	---	---	---	---	---	---	---	---	---
71F:												
Kaymine-----	0-3	Channery loam, channery silt loam	GC-GM, GM, SM, SC-SM	A-1, A-2	---	15-30	45-60	40-55	30-50	20-40	25-35	7-12
	3-23	Very channery silt loam, very channery loam	SM, SC, GC- GM, GM	A-1, A-2	---	20-60	30-55	25-55	20-45	15-40	25-35	7-12
	23-65	Extremely channery loam, extremely channery silt loam	GC-GM, GM, SC-SM, SM	A-1, A-2	---	20-60	30-55	25-55	20-45	15-40	25-35	7-12

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Fiveblock-----	0-4	Channery loam, channery sandy loam	GC-GM, GM, SC-SM, SM	A-1, A-2	---	15-30	55-70	50-65	35-50	10-25	15-25	NP-7
	4-25	Very channery sandy loam, very channery loamy sand	SC-SM, GM, SC, GC-GM	A-1, A-2	---	15-30	55-70	50-65	35-50	10-25	15-25	NP-7
	25-50	Extremely flaggy sandy loam, extremely flaggy loamy sand	SC-SM, SM, GM, GC-GM	A-1, A-2	---	30-55	45-65	25-50	15-35	10-20	15-25	NP-7
	50-65	Very flaggy sandy loam, very flaggy loamy sand	GC-GM, GM, SC-SM, SM	A-1, A-2	---	30-55	45-65	25-50	15-35	10-20	15-25	NP-7
Sewell-----	---	---	---	---	---	---	---	---	---	---	---	---
Fairpoint-----	---	---	---	---	---	---	---	---	---	---	---	---
Other Soils-----	---	---	---	---	---	---	---	---	---	---	---	---
74F:												
Kaymine-----	0-3	Channery loam, channery silt loam	GC-GM, SC-SM, SM, GM	A-1, A-2	---	15-30	45-60	40-55	30-50	20-40	25-35	7-12
	3-23	Very channery silt loam, very channery loam	GM, GC-GM, SC, SM	A-1, A-2	---	20-60	30-55	25-55	20-45	15-40	25-35	7-12
	23-65	Extremely channery loam, extremely channery silt loam	SM, SC-SM, GM, GC-GM	A-1, A-2	---	20-60	30-55	25-55	20-45	15-40	25-35	7-12



Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Cedarcreek-----	0-3	Very channery loam, very channery sandy loam, very channery silt loam	GM, GC, GC-GM	A-2, A-4, A-6	---	25-45	45-60	40-55	30-50	20-40	25-35	8-12
	3-25	Very channery loam, very channery sandy loam, very channery silt loam	GC-GM, GC, GM	A-2, A-4	---	30-60	45-60	40-55	30-50	20-40	25-35	8-12
	25-50	Very channery loam, very channery sandy loam, very channery silt loam	GC-GM, GC, GM	A-2, A-4	---	30-60	45-60	40-55	30-50	20-40	25-35	8-12
	50-65	Extremely channery loam, extremely channery sandy loam, extremely channery silt loam	GC-GM, GM, GC	A-2, A-4	---	40-75	30-55	25-50	20-45	15-40	25-35	8-12

Table H.--Engineering Index Properties--Continued

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Table H.--Engineering Index Properties--Continued

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Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

[illegible]

Table H.--Engineering Index Properties--Continued

Map symbol and soil name	Depth	USDA texture	Classification		Fragments		Percentage passing sieve number--				Liquid limit	Plas- ticity index
			Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
	In				Pct	Pct					Pct	
Other Soils-----	---	---	---	---	---	---	---	---	---	---	---	---
124C: Cotaco-----	0-8	Loam, fine sandy loam, silt loam	CL, ML	A-4, A-6	---	0	90-100	80-100	65-100	55-95	15-35	NP-10
	8-15	Loam, fine sandy loam, silt loam	CL, ML, SC, SM	A-4, A-6	---	0	90-100	80-100	65-95	55-95	15-35	NP-10
	15-40	Loam, clay loam, sandy clay loam	CL, SM, SC, ML	A-4, A-6	---	0	90-100	80-100	65-95	60-95	15-35	NP-10
	40-50	Sandy loam, fine sandy loam, loam, sandy clay loam, clay loam	SM, SC, ML, CL	A-2, A-4, A-6	---	0	65-100	55-100	35-95	20-75	15-35	NP-15
	50-65	Sandy loam, fine sandy loam, loam, sandy clay loam, clay loam	SC, CL, ML, SM	A-2, A-4, A-6	---	0	65-100	55-100	35-95	20-75	15-35	NP-15
Urban Land-----	0-8	Loam, fine sandy loam, silt loam	CL, ML	A-4, A-6	---	0	90-100	80-100	65-100	55-95	15-35	NP-10
	8-15	Loam, fine sandy loam, silt loam	SM, CL, ML, SC	A-4, A-6	---	0	90-100	80-100	65-95	55-95	15-35	NP-10
	15-40	Loam, clay loam, sandy clay loam	CL, SM, ML, SC	A-4, A-6	---	0	90-100	80-100	65-95	60-95	15-35	NP-10
	40-50	Sandy loam, fine sandy loam, loam, sandy clay loam, clay loam	ML, CL, SM, SC	A-2, A-4, A-6	---	0	65-100	55-100	35-95	20-75	15-35	NP-15
	50-65	Sandy loam, fine sandy loam, loam, sandy clay loam, clay loam	SM, ML, SC, CL	A-2, A-4, A-6	---	0	65-100	55-100	35-95	20-75	15-35	NP-15

Table H.--Engineering Index Properties--Continued

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